



Welcome to the HIATUS Proposers' Day!



- Thank you for your interest in this program and participating in this event
- To assure a clear broadcast stream, audio and video are disabled for meeting participants
- Comments and questions can be submitted to the IARPA team via the WebEx Chat tool only
- Questions submitted to the alias (dni-iarpa-hiatus-proposersday@iarpa.gov) prior to this meeting and during this presentation, and corresponding answers, may be posted in writing online



Disclaimers



- This presentation is provided solely for information and planning purposes
- The Proposers' Day does not constitute a formal solicitation for proposals or proposal abstracts
- Nothing said at Proposers' Day changes the requirements set forth in a BAA
- **The BAA language supersedes anything presented or said by IARPA at the Proposers' Day**
- This meeting is being recorded and will be posted for public viewing
- For those viewing the recording, email aliases and POCs may be dated, please refer to IARPA.gov for updated information.



Proposers' Day Goals



1. Familiarize participants with IARPA's interest in the HIATUS program and solicit questions and feedback
2. Foster discussion of complementary capabilities among potential program participants, i.e., TEAMING
 - Teaming information can be found at the following address:
<https://www.iarpa.gov/index.php/research-programs/hiatus>
 - An attendance list, with contact details from participants who opted to share their information will be distributed soon
 - The chat feature is enabled for participants to plan future discussions associated with teaming
 - Teaming interests, capability summaries, and lightning talk slides will be posted publicly on the HIATUS IARPA webpage until the BAA submission period closes

Please ask questions and provide feedback, this is your chance to alter the course of events.

Please talk with others, find great team members.



Feedback and Questions



- Questions can be submitted until 12:00pm EST.
- There will be a break after the contracting presentation at 12:00pm EST.
- Responses to selected questions will be broadcast at 1:00pm EST, so please don't log out or close your WebEx connection.
 - All programmatic and contractual questions will be captured but will not be answered in this session
- After this Proposers' Day, IARPA will review all the feedback received for a final BAA to be posted on SAM.gov.



Teaming



- Participants are encouraged to find partners and collaborators, someone might have a missing piece of your puzzle.
- Lightning talks will take place following the Program presentations.
- Collaborating and capability summaries will be accepted, with minimal review for appropriateness, and made available to the public.
 - Teaming documents and summaries can be submitted until the BAA closes, submit to dni-iarpa-hiatus-proposersday@iarpa.gov.
 - If you would prefer your information not be shared (any recorded videos cannot be modified or removed) email dni-iarpa-hiatus-proposersday@iarpa.gov.



Agenda



Time	Topic	Speaker
10:00am-10:30am	(Attendees can log in early)	
10:30am-10:40am	Welcome, Logistics, Proposers' Day Goals	Tim McKinnon, Program Manager
10:40am-10:50am	IARPA Overview	Robert Rahmer, Director Office of Analysis Research, IARPA
10:50am-11:40am	HIATUS Program Overview	Tim McKinnon
11:40am-12:00pm	Contracting Overview	Nina Leshock, IARPA Contracting Officer
12:00pm-1:00pm	Break (Submit questions in chat before 12:00pm)	
1:00pm-1:30pm	Answers to Selected Technical Questions	Tim McKinnon
1:30pm-1:35pm	Introductions to Lightning Talks	Tim McKinnon
1:35pm-3:00pm (est.)	Lightning Talks	Potential Performers



Agenda – Lightning Talks



Time	Organization	Speaker
1:35pm-1:40pm	1790 Analytics	Patrick Thomas
1:40pm-1:45pm	ALIAS Technology	Carole Chaski
1:45pm-1:50pm	Amazon	Scott Papson
1:50pm-1:55pm	Aptima	Brent D. Fegley / Bob McCormack
1:55pm-2:00pm	Arg Tech	Chris Reed
2:00pm-2:05pm	Figure Eight Federal	Jefferson Barlew
2:05pm-2:10pm	Language Computer	Marc Tomlinson / Sean Monahan / Finley Lacatusu
2:10pm-2:15pm	JHU	Mahsa Yarmohammadi / Mark Dredze / Anqi Liu
2:15pm-2:20pm	Peraton Labs	Chumki Basu / Rauf Izmailov / John Wullert
2:20pm-2:25pm	PrimerAI	John Bohannon
2:25pm-2:30pm	PSU	Dongwon Lee
2:30pm-2:35pm	SoarTech	Kay Michel
2:35pm-2:40pm	Stevens Institute of Technology	K.P (Suba) Subbalakshmi
2:40pm-2:45pm	U of Virginia	Yangfeng Ji

IARPA Overview

Robert Rahmer | Director, IARPA Office of Analysis | HIATUS Proposers' Day, 19 January 2022



Intelligence Advanced Research Projects Activity

I A R P A

Creating Advantage through Research and Technology



Office of the Director of National Intelligence





IARPA Mission



IARPA envisions and leads *high-risk, high-payoff* research that delivers innovative technology *for future overwhelming intelligence advantage*

- Our problems are **complex** and **multidisciplinary**
- We emphasize **technical excellence** & **technical truth**



IARPA Method



- **Bring the best minds to bear on our problems**
 - Full and open competition to the greatest possible extent
 - World-class, rotational Program Managers
- **Define and execute research programs that:**
 - Have goals that are clear, ambitious, credible and measurable
 - Run from three to five years
 - Publish peer-reviewed results and data, to the greatest possible extent
 - Employ independent and rigorous Test & Evaluation
 - Involve IC partners from start to finish
 - Transition new capabilities to intelligence community partners



IARPA R&D



- **Technical and programmatic excellence are required**
- **Each program has a clearly defined and measurable end-goal**
 - Intermediate milestones to measure progress are also required
 - Every program has a beginning and an end
- **This approach, coupled with term-limited PM positions, ensures**
 - IARPA does not “institutionalize“ programs
 - Fresh ideas and perspectives are always coming in
 - Status quo is always questioned
 - Only the best ideas are pursued, and only the best performers are funded



IARPA Snapshot



IARPA's research portfolio is diverse, including math, physics, chemistry, biology, microelectronics, neuroscience, linguistics, political science, cognitive psychology, and more.

- 70% of completed research transitions to U.S. Government partners
- 3,000+ journal articles published
- IARPA funded researchers have been awarded the **Nobel Prize in Physics** for quantum computing research, a **MacArthur Fellowship**, and a **Bell prize**
- IARPA serves on National Science and Technology Council (NSTC) committees and actively engages with the White House BRAIN Initiative, National Strategic Computing Initiative, and the NSTC Select Committee on Artificial Intelligence, the NSTC Subcommittee on Quantum Information Science (SCQIS), and NSTC Subcommittee on Economic and Security Implications of Quantum Science (ESIX)



How to Engage with IARPA



ENGAGE WITH US

Throughout our website you can learn more about engaging with us on our highly innovative work that is having a positive impact in the Intelligence Community and society in general.

iarpa.gov | 301-243-1995

dni-iarpa-info@iarpa.gov

- Reach out to our Program Managers.
- Schedule a visit if you are in the DC area or invite us to visit you



Open BAAs

Broad Agency Announcements (BAAs) solicit research proposals for specific programs. Learn more about current BAA opportunities and ways to get involved...



Requests For Information

Requests for Information (RFIs) are designed to gather more information on an idea in an area in which our program managers are not fully informed...



Seedlings

Seedlings are typically 9 – 12 month research efforts that are less than \$1M in cost. They are intended to address highly innovative ideas and concepts within...

HIATUS Program Overview

Dr. Timothy McKinnon | Program Manager | HIATUS Proposers' Day, 19 January 2022



Intelligence Advanced Research Projects Activity

I A R P A

Creating Advantage through Research and Technology



Technical Slides Disclaimer



- All images, references, and articles are included as illustrative examples only
- ODNI and IARPA do not endorse any product or company referenced within
- Changes have occurred since the draft technical document was released and additional changes may occur in the final released BAA



HIATUS Problem Statement



- There are vast amounts of multilingual raw text produced by anonymous authors, both human and machine
- Text contains linguistic features that can reveal author identity or attributes, and can be used to...
 - Attribute authorship
 - Protect author privacy
- Current authorship attribution and privacy technology:
 - Does not scale well to diverse genres and languages
 - Is not human-interpretable or verifiable, undercutting user trust
 - Omits many potential author-identifying features



Use Cases



- **Authorship Attribution:**

- Understand and combat increasingly sophisticated malicious influence campaigns online, including those utilizing machine generated text
- Combat human trafficking
- Verify information authenticity

- **Authorship Privacy:**

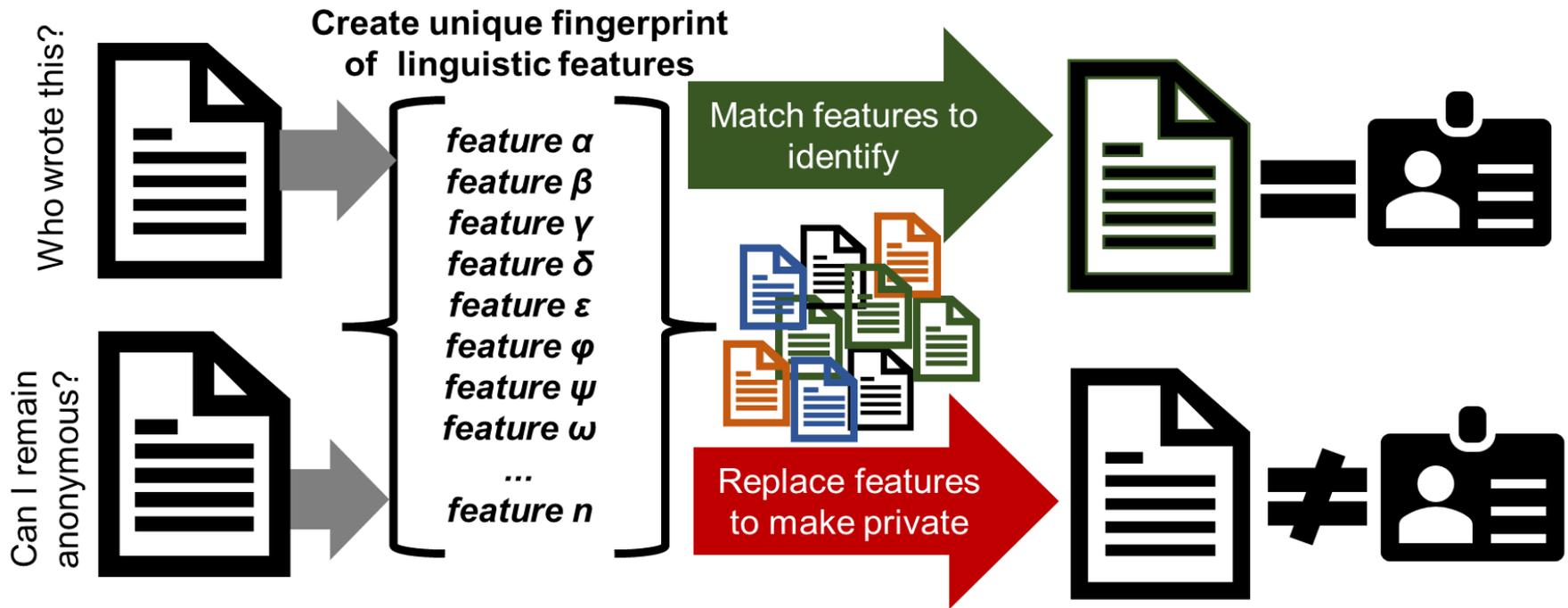
- Safeguarding individuals and groups whose writing, if attributed, could place them in personal danger



What are the major challenges for authorship attribution and privacy?



Authorship Attribution and Privacy



Authorship Attribution and privacy address the same underlying challenge: understanding author-level grammatical variability



Text Contains Rich Sets of Features



Even in short texts, authors have various linguistic forms that can be used to generate a 'fingerprint'

Word choice
(lexical)

once
~ *when*

summoned
~ *called*

police
~ *cops*

showed up
~ *arrived*

to
~ *at*

house
~ *home*

Punctuation/spelling
(orthographic)

'
~ *∅*

!!
~ *~!*

Once summoned, the police should've quickly showed up to the house!!

Word formation
(morphological)

should've
~ *should have*

showed
~ *shown*

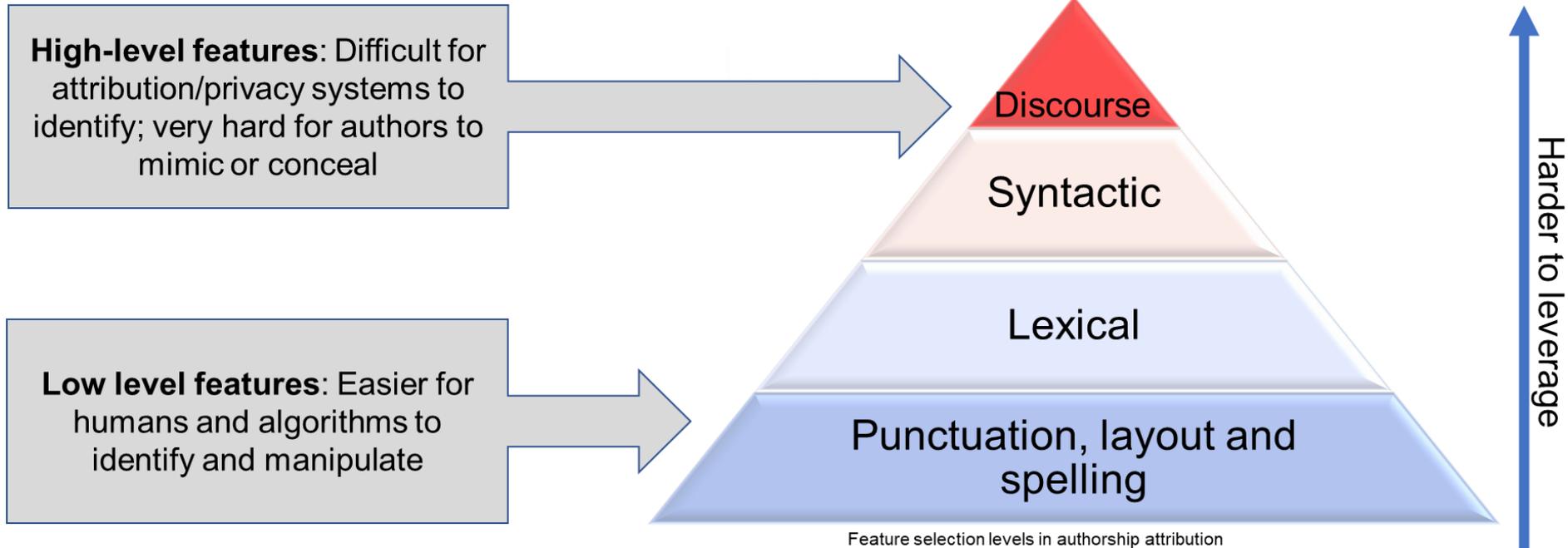
Word order
(syntactic)

Once summoned, the police...
~ *The police, once summoned...*
~ *...to the house, once summoned*

quickly showed up...
~ *...showed up quickly...*
~ *...the house quickly!!*



The Challenge of the Feature Space



HIATUS seeks to expand and elucidate the stylistic feature space, especially by leveraging higher-level linguistic features



The Challenge of Text 'In The Wild'



- Large corpora of raw text (tens of thousands to millions)
- Constant flow of new documents
- Unknown numbers of authors with diverse backgrounds authoring diverse document types
- Multiple genres
 - i.e., variable audience, purpose, activity
- Diverse domains
 - i.e., variable topics
- Multiple languages

HIATUS seeks novel methods to elucidate stable identifiers of authorship across diverse text types and infer likely identifiers within specific domains and genres



The Challenge of Explainability



Explainability builds user confidence through transparency

- Popular span-highlighting techniques not sufficient
- Explanation for authorship attribution:
 - Understand system rationale, help human flag spurious predictions
 - Gauge confidence of predictions
 - Facilitate and expedite deeper analysis by expert linguist
- Explanations for authorship privacy:
 - Allow user to check that a document is thoroughly sanitized
 - Minimize human effort by guiding document curation and editing to remove author-identifying features

HIATUS seeks novel explainable NLP techniques to create trustworthy and verifiable authorship attribution/privacy



How are authorship attribution and privacy done today?



Attribution: Current Approaches and Limitations



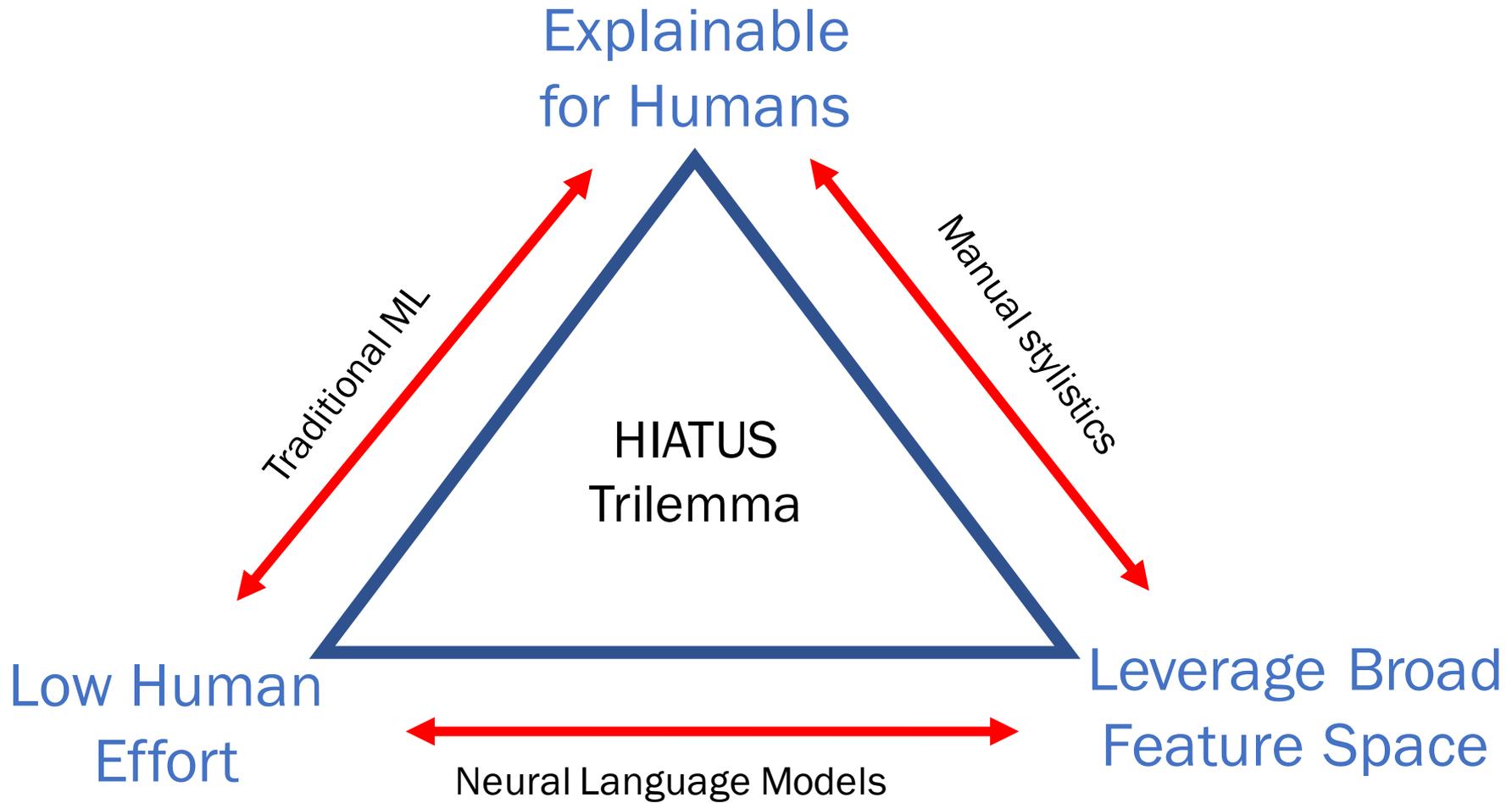
Approaches fit into one of three broad categories:

- **Manual stylistic comparison:** Manual analysis of text identifies features unique to an author or indicative of attributes like age, education level, etc.
- **Traditional machine learning (ML):** Techniques like logistic regression, SVMs and Bayesian models
- **Neural language models:** SotA authorship attribution uses fine-tuned neural language models that are pre-trained on massive text corpora, and thus encode diverse grammatical structure (phonology, syntax, discourse, etc.)

Each approach suffers from limitations that reduce usability



Tradeoffs of Current Attribution Approaches





Privacy: Current Approaches and Limitations



- Authorship privacy technology is less developed than authorship attribution technology

Some techniques include:

- Deterministic editing (e.g., isn't > is not)
- Machine translation via a second 'pivot' language
- Genetic algorithms
- Targeted paraphrasing
- GAN-type systems that generate adversarial text perturbations



Why is Author Privacy Challenging?



Challenges of author attribution are a subset of the challenges for privacy

Challenges of Author Privacy

Challenges of Authorship Attribution

- Use broad feature space
- Explainable for humans
- Minimize human effort

- Ensure authorship is concealed
- Preserve non-authorial aspects of text
 - ↳ keep original meaning
 - ↳ maintain consistency



Privacy Currently Requires a Significant Human Effort



An author privacy system is successful if the text it outputs is...

- **Safe:** Effective in thwarting authorship attribution
- **Sound:** Ensures grammaticality and fluency

~~Each~~ participant receives a goody bag.'



- **Sensical:** Faithful to the meaning and intentions of the original text

Four of the diners requested a ~~doggy~~ bag.'



Usefulness of privacy technology is limited due to the need for significant human feedback



How Can We Solve the HIATUS Challenge?



You tell us!

- Agnostic to research approach
- Propose what is needed to meet objectives
 - Research approach
 - Staff
 - Resources
 - Teaming plans
- Highlighting innovative, novel, and scientifically supported research and development approaches



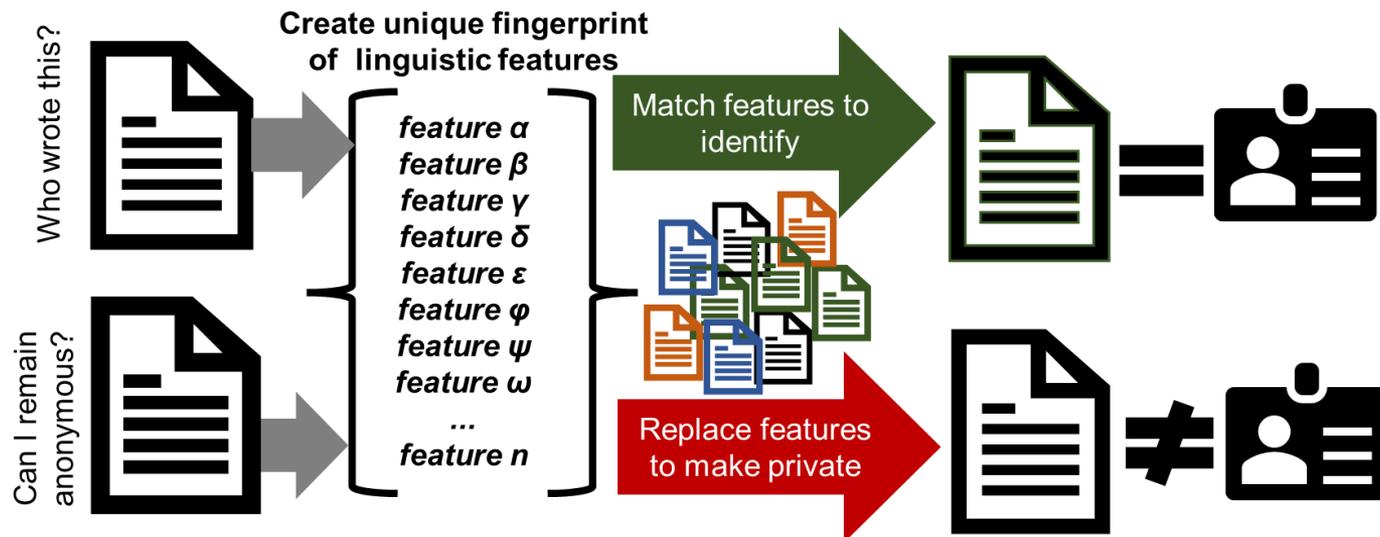
Program Objective and Deliverables



HIATUS Program Objective



HIATUS seeks to develop novel human-useable systems for attributing authorship and protecting author privacy through identification and leveraging of explainable linguistic fingerprints

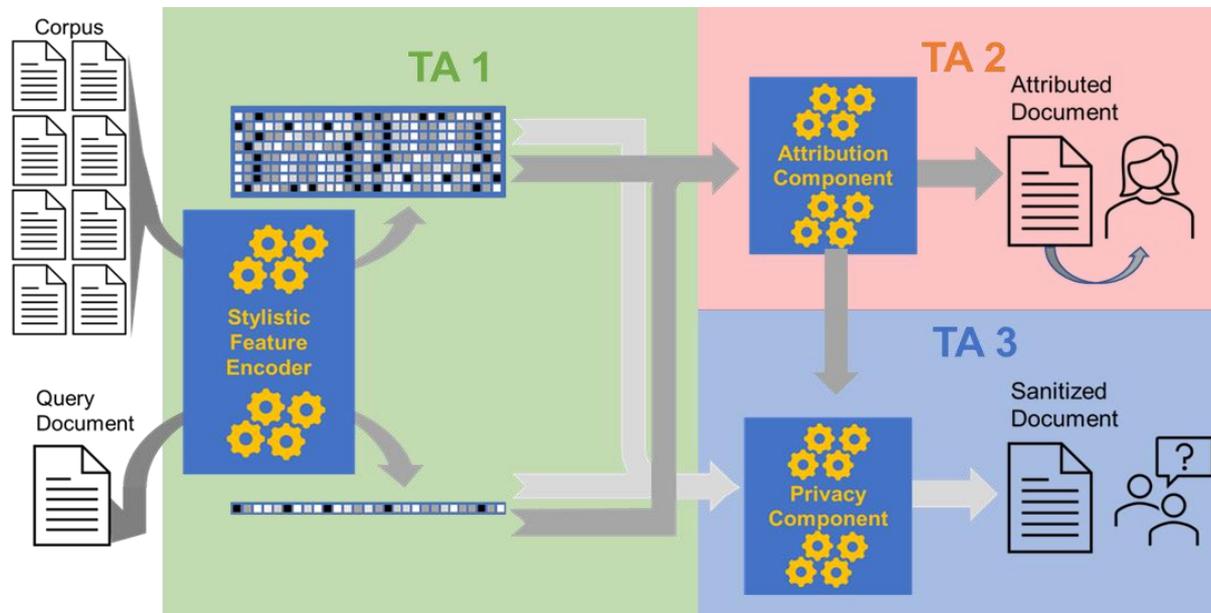




HIATUS Program Task Areas



- **TA1:** Derive feature space that captures author-level variation across diverse text content
- **TA2:** Use stylistic features to identify individual authors in and across text genres and domains, providing explanations
- **TA3:** With minimal human effort modify authorial features to protect privacy while preserving meaning and other non-authorial features




Each performer team must address all three Task Areas



Primary Program Deliverables



- Containerized software deliverables addressing each TA
 - Software compatible with testing infrastructure API
 - Systems must be ‘turn-key’ to allow blind, third-party testing and evaluation
- Raw, processed, and curated data collected and used by performers for system development and internal testing
 - Development datasets from each Performer will be submitted in a common format and made available to all performers at the end of program phases
- All models and protocols are expected to be provided with a minimum of Government Purpose Rights (GPR)



Expectations for Responsible Research



- Performers must obtain institutional review board (IRB) approval or an IRB waiver for all R&D and data collection activities
- Performers must take steps to ensure removal of personally identifiable information (PII) from all development datasets



Elements Out of Scope



- Approaches to authorship attribution and privacy that rely on non-text features (e.g., timestamps, network structure, multimedia).
 - **The HIATUS program is limited in scope to text-only approaches to attribution and privacy.**
- Approaches to authorship attribution or privacy reliant on pre-determined sets of linguistic features selected by humans
- Research that utilizes proprietary data that cannot be made available to the Government and other Performers
- Approaches that consist merely of integrating currently existing software.



Program Test and Evaluation and Metrics



What is Test and Evaluation?



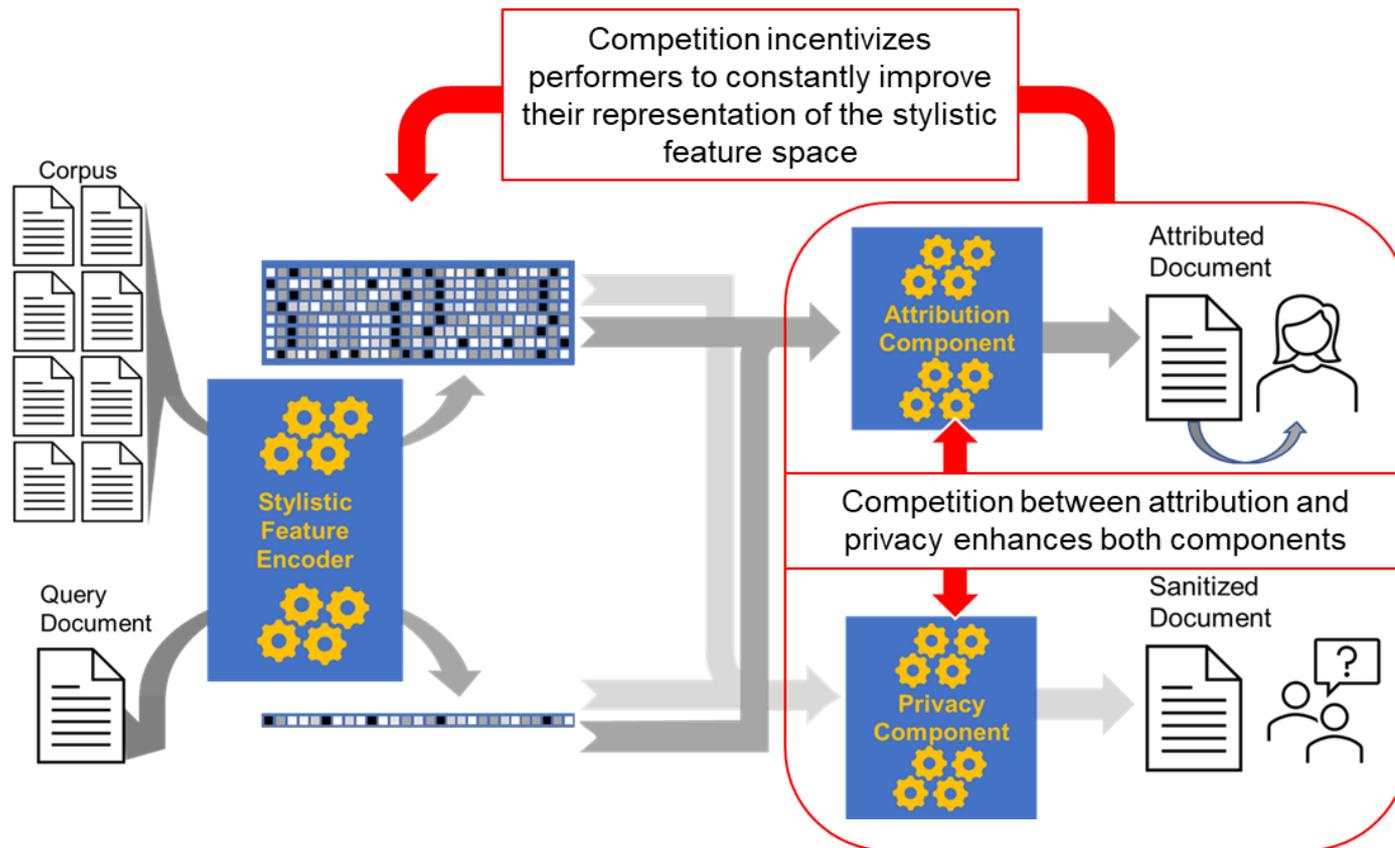
- IARPA uses third-party Test and Evaluation (T&E) teams to develop hidden datasets, ground-truth-labelled documents, a portable software testing range, and baseline systems for each TA.
- T&E teams evaluate performer approaches and validate deliverables, ensuring the end products of a program are transition-ready.
- T&E teams will evaluate containerized Performer software submissions for each TA using hidden text corpora sourced from diverse genres, domains and authors.
- T&E will conduct evaluation of performer systems using rank and retrieval and open search tasks



Competition Drives System Improvement



HIATUS fully embraces authorship attribution/privacy as an adversarial ML problem: both development and evaluation involve competition between attribution and privacy components





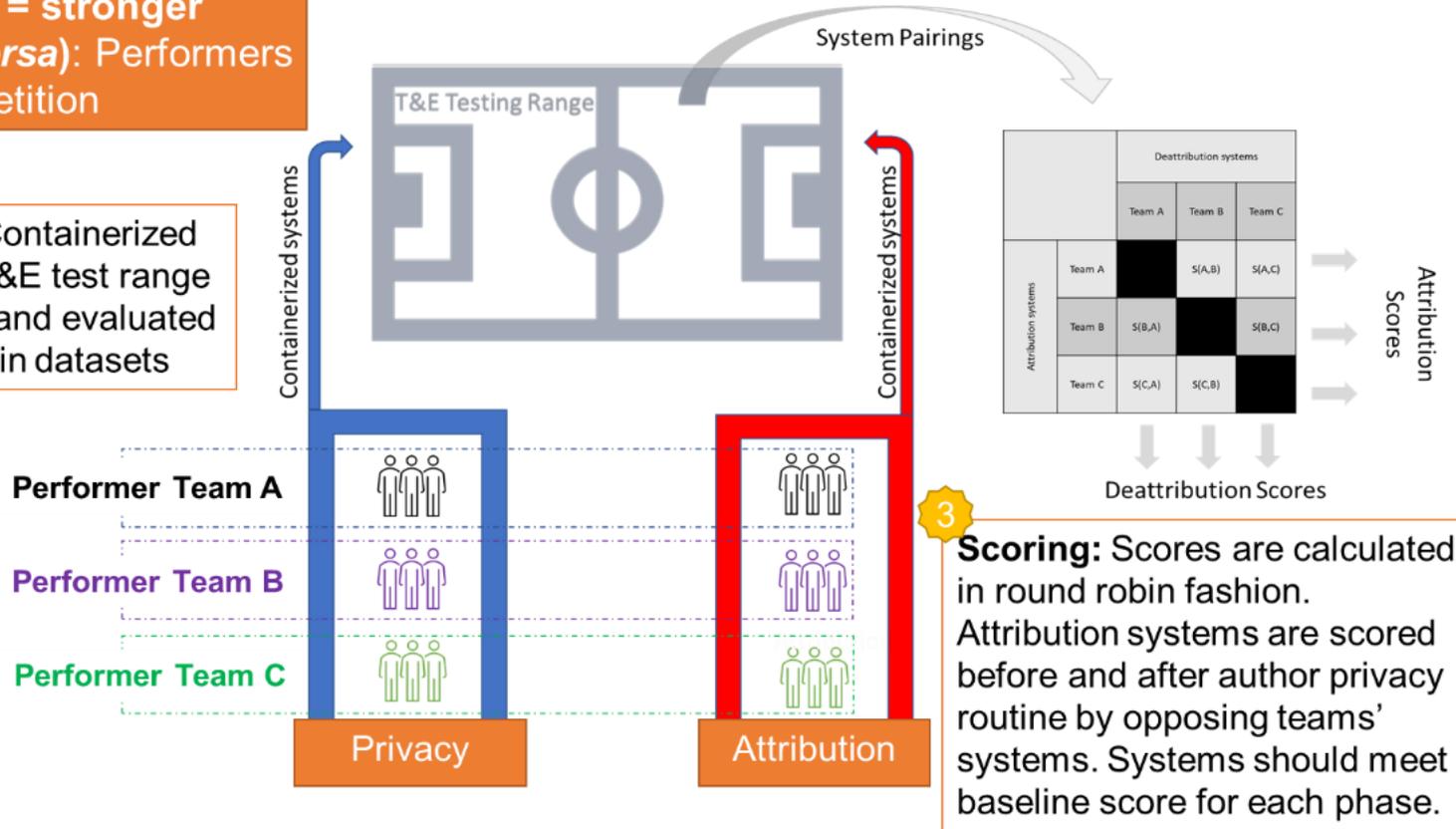
Testing and Evaluation Workflow



Stronger attribution = stronger privacy (and vice versa): Performers are in constant competition

2 Submission to T&E: Containerized systems submitted to T&E test range where they are trained and evaluated on hidden, out-of-domain datasets

1 System development: Teams compete internally using locally deployable, containerized version of testing range

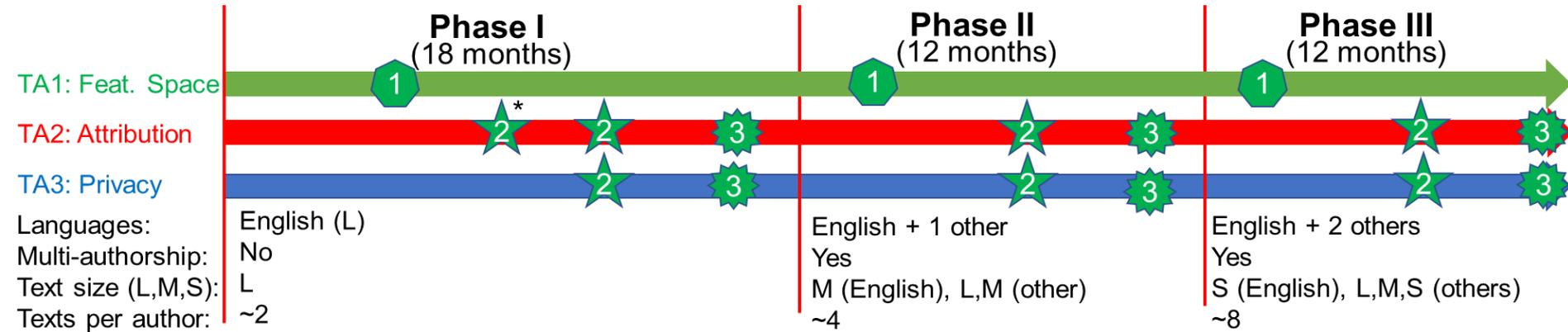




Phases and Evaluation Milestones



Milestone 1 evaluates the quality of the feature space (TA1)
 Milestones 2 and 3 evaluate attribution and privacy capabilities (TA2, TA3)



Privacy components are scored on ability to decrease performance of attribution components

Evaluation Milestones:

- Rank and retrieve task to evaluate feature space (TA1)
- Competitive task to evaluate authorship and privacy (TA2, TA3)
- Competitive task (including non-linked authors) to evaluate authorship and privacy (TA2, TA3)



Evaluation Datasets



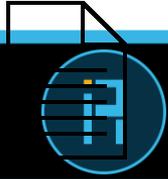
- **Goal:** A dataset emulating the diversity of documents and author types encountered in ‘the wild’
 - Performers will not know which corpora are included; Systems must be prepared for ‘the unknown’
- **Retrieval Corpus:** Corpora of raw text documents (no metadata) collected by T&E by diverse genres and topic domains
- **Ground Truth Documents:** Gold data labelled by author used as queries and inserted into retrieval corpus as targets
 - Human-authored: Documents elicited from humans, written to fit specific corpora
 - Machine-generated: Documents produced by text generation models using a variety of fine-tuning techniques
 - Each author (machine or human) will produce documents within multiple genres/domains



Evaluation Datasets



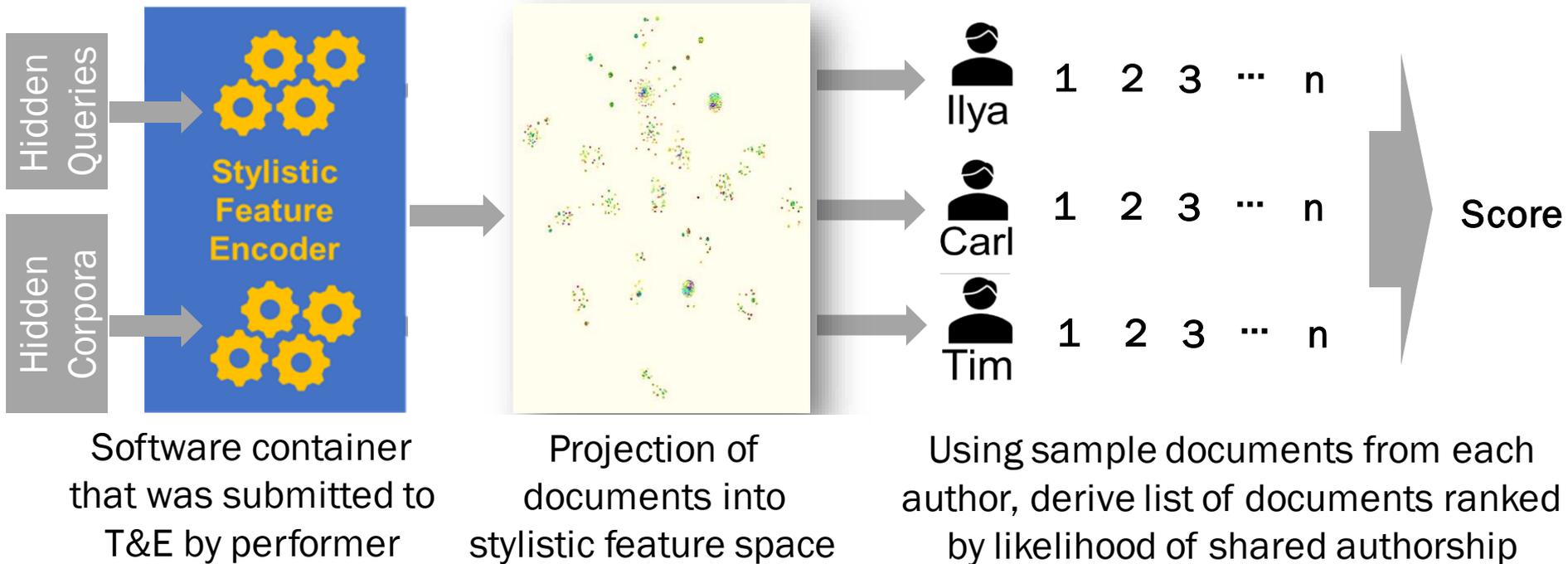
Area	Phase 1 (18 months)	Phase 2 (12 months)	Phase 3 (12 months)
Size of Government research datasets	20+ corpora from diverse genres and domains	20+ additional corpora from diverse genres and domains	20+ additional corpora from diverse genres and domains
Length of query document	Long: >700 words	Medium: ~100-200 words	Short: 20-30 words
Number of ground truth documents presented to performer system	1-3 per author	3-5 per author	7-9 per author
Evaluation Language(s)	English	English + Phase II surprise language (announced at phase kickoff)	English + two Phase III surprise languages (announced at phase kickoff)
Multi-authorship	Single author per document. Human vs. Machine, hybrid human and machine identified	Single author per document, mixture of human and machine	Multi-author, mixture of human and machine
Human feedback for privacy	Two conditions: Fully automatic and human-in-the-loop (HITL)	Automatic and HITL with reduction in allowed human effort	Automatic and HITL with reduction in allowed human effort



Milestone 1 (Repeats Each Phase)



Rank and Retrieval: Given query documents from authors, rank documents in corpus based on likelihood of shared authorship



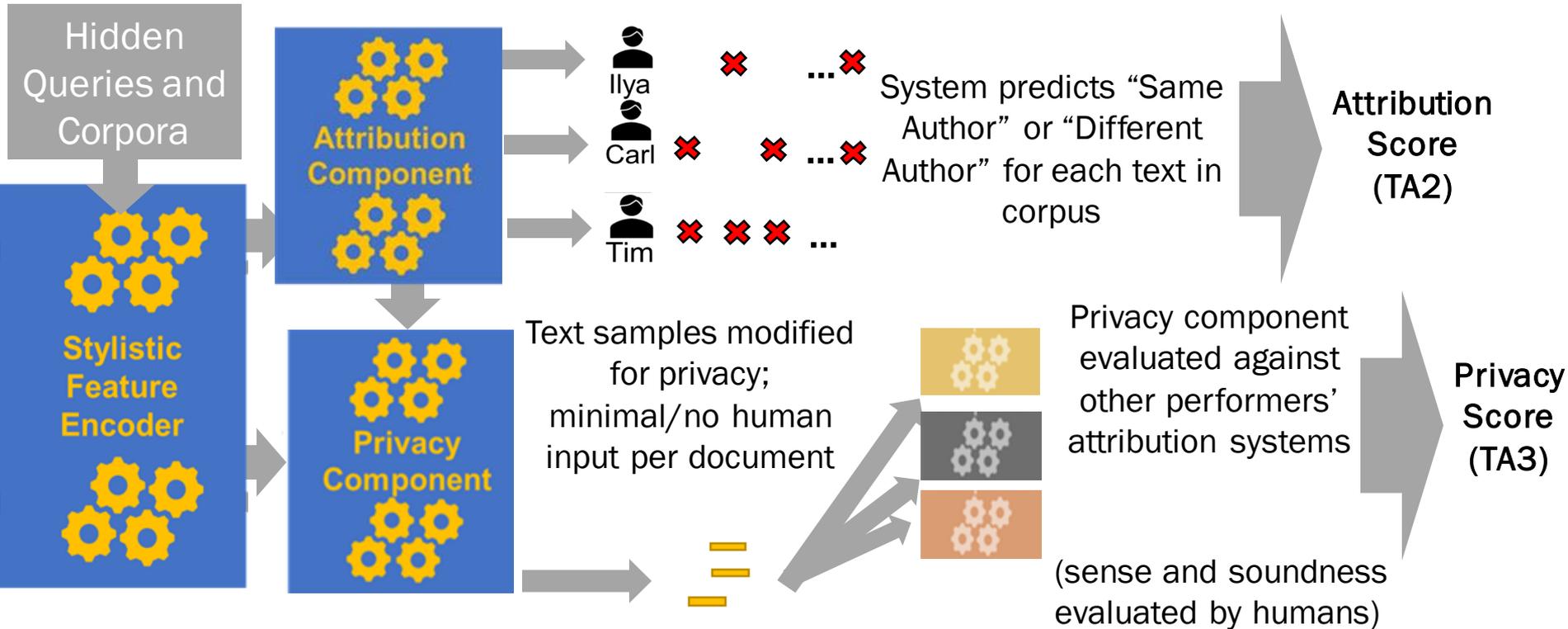
Tentative Metric: Success @ 1, Success @ 8
(probability of authorship match top 1 and 8 results, respectively)



Milestones 2 and 3 (Repeat Each Phase)



Attribution (TA2): Given sample documents, systems must identify in corpora documents by the same author



Privacy (TA3): Thwart attribution by modifying author-specific features in sample texts



Tentative Metrics for Evaluating TAs



- **Attribution (TA1):** Rank and Retrieval metrics
 - S(uccess)@1, S(uccess)@8
- **Attribution (TA2):** Detection metrics
 - True Accept Rate @ False Accept Rate (TAR@FAR)
 - Equal Error Rate
- **Privacy (TA3):** Reduction in performance of opponent team TA1 on rank and retrieval tasks
 - Mean Reciprocal Rank of opponent TA1 system before and after document is modified by privacy component
 - Fluency and meaning of sanitized documents is scored using comparison of human authored documents and documents modified by performer privacy component (e.g., with Likert scores or Turing test)



Additional Key Aspects of Evaluation



- **Machine generated text (TA1):** An important aspect of attribution is determining if a document originates from a human or machine
 - T&E will evaluate whether TA1 systems generate representations that allow for easy segmentation of machine- vs. human-generated documents
- **Explainability (TA2):** Attribution software submissions must provide human interpretable explanations of model rationale (e.g., by indicating stylistic significant aspects of matched documents)
 - Metrics for quality of explanations are TBD and depend on specific performer approaches and discussion in between T&E and performers in Phase I
- **Stylistic uniformity (TA3):** To be considered fluent, text within or across sanitized documents should not exhibit different stylistic profiles
 - Privacy (TA3) system outputs can be evaluated for stylistic uniformity by scoring their proximity in stylistic space (using opponent TA1 components)



Baseline Models



- Metrics and scores announced in this presentation are tentative and provided for planning purposes
- Official program metrics and phase-over-phase target scores will be announced at program kickoff
- The HIATUS T&E Team will develop baseline systems for each of the TAs
 - Baselines may be used to recalibrate exceedingly high or low target scores



Program Metrics



Task and Metric		Phase 1 Target	Phase 2 Target	Phase 3 Target
TA1: Feature Space Generation (Rank and Retrieval) S(uccess)@8 S(uccess)@1	Long Text	S@8 0.85 S@1 0.30	S@8 0.90 S@1 0.60	S@8 0.95 S@1 0.80
	Medium Text	N/A	S@8 0.85 S@1 0.30	S@8 0.90 S@1 0.60
	Short Text	N/A	N/A	S@8 0.85 S@1 0.30
TA2: Attribution (Identification) TAR@FAR	Long Text	85%@50%	85%@30%	90%@10%
	Medium Text	N/A	85%@50%	85%@30%
	Short Text	N/A	N/A	85%@50%
TA3: Privacy (Rank and retrieval) MRR; Sound/Sensible Baseline	All Text Sizes	MRR <0.05; TBD	MRR <0.005; TBD	MRR <0.0005; TBD
Human Effort	All Text Sizes	50% of baseline (0% stretch)	25% of baseline (0% stretch)	10% of baseline (0% stretch)
Explanations	All Text Sizes	Designed by T&E and Performers	Implemented by T&E	Implemented by T&E



Tentative Program Timeline



- BAA formal release: Beginning of February 2022
- Kick-off: ~October 2022

Phase 1 (18 Months)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Program meeting (kickoff, PI meeting)	█									█									█
Gov't visits performer site			█											█					
Evaluation milestone (T&E tests performer software)					█	█		█	█				█	█					█
Performers deliver development datasets, final report																			█
Phase 2 (12 Months)	19	20	21	22	23	24	25	26	27	28	29	30							
Program meeting (kickoff, PI meeting)	█									█									
Gov't visits performer site					█				█										
Evaluation milestone (T&E tests performer software)				█	█		█	█			█	█							
Performers deliver development datasets, final report													█						
Phase 3 (12 Months)	31	32	33	34	35	36	37	38	39	40	41	42							
Program meeting (kickoff, PI meeting)	█									█									
Gov't visits performer site					█				█										
Evaluation milestone (T&E tests performer software)				█	█		█	█			█	█							
Performers deliver development datasets, final report													█						



Point of Contact Information



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Office of the Director of National Intelligence

Intelligence Advanced Research Projects Activity (IARPA)

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Website: <https://www.iarpa.gov/index.php/research-programs/hiatus>

Doing Business with IARPA (FY22)

Nina Leshock | Contracting Officer | HIATUS Proposers' Day, January 19th 2022



Intelligence Advanced Research Projects Activity

I A R P A

Creating Advantage through Research and Technology



Overview



- Broad Agency Announcement (BAA)
- Questions and Answers
- Eligible Applicants
- Preparing the Proposal
- Submitting the proposal
- Evaluation and award process
- Other
 - Organizational Conflicts of Interest
 - Intellectual Property
 - Pre-Publication Review
 - Academic Institution Acknowledgement
 - Multiple Proposal Submissions
 - Contract Type
- Disclaimer



Broad Agency Announcement (BAA)



- IARPA uses BAA type solicitations conducted under FAR Part 35, Research and Development Contracting
- BAAs will be posted to SAM.gov
- We typically allow 45 – 60 days for proposals
- All the information needed to submit a proposal will be in the BAA.



Questions and Answers (Q&A)



- The BAA will have a Q&A period during which prospective offerors can submit questions
- The email for questions will be provided in the BAA
- Q&As will be posted to SAM.gov so be sure to check regularly
- No answers will go directly to offeror nor shall questions be sent to other than the email designated in the BAA
- Note that your question will be posted so be careful not to reveal information that you don't want made public.



Eligible Applicants



- Collaborations and teaming are generally encouraged by IARPA
 - Team formation is the responsibility of Offerors
- Foreign organizations and/or individuals
 - This is program dependent, the BAA will specify if there are any limitations
 - Regardless of eligibility, must comply with:
 - Any contract security clauses or requirements
 - Export Control Laws (ITAR, EAR) and implementing contract clauses



Eligible Applicants (Continued)



- The following are generally **not** eligible to submit proposals for IARPA research programs or participate as team members under proposals submitted by eligible entities
 - Other Government Agencies,
 - Federally Funded Research and Development Centers (FFRDCs),
 - University Affiliated Research Centers (UARCs)
 - An entity of which only a portion has been designated a UARC may be eligible to submit subject to an OCI review if stated in the BAA
 - Any organizations that have a special relationship with the Government that would give them
 - access to privileged and/or proprietary information
 - access to Government equipment or real property



Preparing a Proposal



- The BAA contains proposal preparation instructions such as:
 - Due date and time
 - Page limitations and format
 - Information to be addressed in the proposal (e.g., technical, cost and administrative)
 - Templates for required proposal attachments (e.g., Cover sheets, OCI notification, Academic Institution Acknowledgement, IP/Data Rights Assertions, Cost breakdown)
- The BAA also contains the evaluation factors for selection including the technical evaluation criteria (e.g., technical approach, relevance to IARPA, work plan, experience, key personnel, resource realism, etc.)
- The BAA describes the method of evaluation and selection
- IARPA may only request the Technical Volume initially with the detailed Cost volume requested after selection



Submitting a Proposal



- Proposals must be submitted through IARPA's IDEAS system
 - Interested Offerors must register electronically IAW instructions on: <https://iarpa-ideas.gov>. (will be available after BAA is posted)
 - Interested Offerors are strongly encouraged to register in IDEAS at least one week prior to proposal "Due Date"
 - Offerors must ensure the version submitted to IDEAS is the "Final Version"
 - For Classified proposals, the BAA will contain separate delivery instructions
- The BAA will have instructions for how to respond if there are system problems with IDEAS
- If the Cost Volume is not requested until after selection, it will be directly submitted to the contracting officer, not through IDEAS



Evaluation and Award Process



- Each BAA will detail the method for evaluation and selection but IARPA generally follows a two-step process:
 - First step is evaluation and selection for negotiations. This is conducted through a scientific/peer review process after which offerors are notified of selection
 - Second step is negotiation and contract award conducted by the Contracting Officer
- Proposals will be reviewed individually against the BAA requirements in accordance with FAR 35, Research and Development Contracting, and not against each other.



Organizational Conflict of Interest



- IARPA follows FAR Part 9 regarding Organizational Conflicts of Interest (OCIs). The main principles being:
 - Preventing conflicting roles that might bias a contractor's judgement
 - Preventing an unfair competitive advantage
- The BAA will describe how offerors are to identify and disclose all facts relevant to potential OCIs for the offeror as well as any proposed team members
- OCI disclosures may require a mitigation plan describing the actions the offeror will take or intends to take to prevent the conflict
- IARPA generally prohibits contractors from concurrently providing System Engineering Technical Assistance (SETA) and T&E support while being a technical R&D performer due to OCI concerns. Each case will be determined individually.



Intellectual Property



- The Government needs to be able to effectively manage the program and evaluate the output and deliverables, communicate the information across Government organizations and support further use and development of program results
- Offerors will address their IP Rights assertions in their proposal. The Government may request additional information as may be necessary to evaluate
- The Government will evaluate the IP rights being offered and whether they are in the Government's best interests.



Pre-Publication Review



- IARPA encourages publication of **UNCLASSIFIED** IARPA-funded research in peer-reviewed journals, presentation at conferences and publication in conference proceedings.
- Prior to public release of any work submitted for publication, the Performer will:
 - Communicate results to be publicly released with the IARPA Program Manager to discuss any sensitivities (e.g., security, speculation on IC use cases, etc.)
 - Provide advance courtesy copies to the IARPA PM and Contracting Officer Representative (COR/COTR)



Academic Institution Acknowledgement



- According to Executive Order 12333, contracts or arrangements with academic institutions may be undertaken only with the consent of appropriate officials of the institution.
- An Academic Institution Acknowledgement letter is required for offerors that are academic institutions and for any proposed teammate that is an academic institution.
- A template for this letter will be included in the BAA. Each letter must be signed by a senior official of the institution (e.g. President, Chancellor, Provost or other appropriately designated individual).
- IARPA requires this letter before entering into negotiations and/or awarding a contract. It is highly advised that it be submitted with the proposal.



Multiple Proposal Submissions



- Proposal Submissions to other entities:
 - Typically, the BAA asks offerors to name, in their proposal, other federal, state or local agencies and/or other parties receiving the proposal (or substantially the same proposal) or funding the proposed effort.
 - If the offeror has submitted the same or substantially the same proposal to other entities, it may impact IARPA's decision to select and fund the effort.
- Multiple Proposal Submissions to IARPA:
 - BAAs usually allow an entity to participate in multiple submissions as a prime or subcontractor. If allowed by the BAA, multiple submissions which include a common team member shall not receive duplicative funding for the same work (i.e., no one entity can be paid twice for the same work).



Contract Type



Cost or Cost-Plus-Fixed-Fee type contracts are typically awarded due to the nature of the R&D work. IARPA may, in some instances, consider other contract types, such as Firm Fixed Price, as well as non-FAR based agreements such as Other Transactions.

The types of contracts and agreements that will be considered and the conditions for such consideration (e.g., small business, start-ups, commercial, foreign entities, etc.) will be addressed in the BAA.



Disclaimer



The information conveyed in this brief is for planning and general information purposes and is subject to change.

Please carefully read the final BAA and adhere to its requirements which may differ from what has been presented in this briefing.

**Break – Last chance to submit questions is at
12:00 PM EST
We will start again at 1:00 PM EST**



Intelligence Advanced Research Projects Activity

I A R P A

Creating Advantage through Research and Technology

Addressing Submitted Questions



Intelligence Advanced Research Projects Activity

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Creating Advantage through Research and Technology

Lightning Talks – Starting at 1:35 PM EST



Intelligence Advanced Research Projects Activity

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Creating Advantage through Research and Technology



Agenda – Lightning Talks



Time	Organization	Speaker
1:35pm-1:40pm	1790 Analytics	Patrick Thomas
1:40pm-1:45pm	ALIAS Technology	Carole Chaski
1:45pm-1:50pm	Amazon	Scott Papson
1:50pm-1:55pm	Aptima	Brent D. Fegley / Bob McCormack
1:55pm-2:00pm	Arg Tech	Chris Reed
2:00pm-2:05pm	Figure Eight Federal	Jefferson Barlew
2:05pm-2:10pm	Language Computer	Marc Tomlinson / Sean Monahan / Finley Lacatusu
2:10pm-2:15pm	JHU	Mahsa Yarmohammadi / Mark Dredze / Anqi Liu
2:15pm-2:20pm	Peraton Labs	Chumki Basu / Rauf Izmailov / John Wullert
2:20pm-2:25pm	PrimerAI	John Bohannon
2:25pm-2:30pm	PSU	Dongwon Lee
2:30pm-2:35pm	SoarTech	Kay Michel
2:35pm-2:40pm	Stevens Institute of Technology	K.P (Suba) Subbalakshmi
2:40pm-2:45pm	U of Virginia	Yangfeng Ji



Lightning Talk Overview



- Teams have 5 minutes to highlight capabilities aligning with HIATUS interests
- Use this opportunity to fill gaps in your team
- Slides and documents will be made available on IARPA.gov until the full BAA closes

Closeout



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Reminder on Teaming



- Participants are encouraged to find partners and collaborators, someone might have a missing piece of your puzzle.
- Lightning talks will take place following the Program presentations.
- Collaborating and capability summaries will be accepted, with minimal review for appropriateness, and made available to the public.
 - Teaming documents and summaries can be submitted until the BAA closes, submit to dni-iarpa-hiatus-proposersday@iarpa.gov.
 - If you would prefer your information not be shared (any recorded videos cannot be modified or removed) email dni-iarpa-hiatus-proposersday@iarpa.gov



Point of Contact Information



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